GIA – Get Intune Assignments

Developed by
Sidnei Brandão
https://www.linkedin.com/in/sidnei-brandao-9925725a/
https://github.com/sibranda

With the develop collaboration of
Luís Henrique Demetrio
https://www.linkedin.com/in/luisdem/

Beta tester and collaboration of
Ricardo Mendes
https://www.linkedin.com/in/ricardo-silveira-mendes-095279/

About

Get Intune Assignments is a C#.NET program developed for Intune to query MS Graph Information.
This App intends to retrieve all Intune Items Assignments.
The focus is to retrieve Assignments Items target an Azure AD Group.
You also can export the data to CSV file if you wish.
Please send me any feedback you want. This can help me to fix bugs and make better solutions to help everyone.

Copyrights Warranty and Support

This App is totally **Free**. I created it for **personal purposes** and decided to share it with the community.
I created this app in my free time, and I don't have much, like most people, so I can't give support or warranty the
App will work like expected in your environment. Just trying to make my part in the world.
You are not required to use this. If you want to test it, I hope it can be useful.

Requirements

User access to Intune and Azure Resources:
      Users must have access to read All Intune Items and query for Azure AD Groups.

Create/Register an Azure App to Get Intune Assignments get data from the environment.
      Follow the **Read Rights** the User and the Azure App may need:

Directory.Read.All
DeviceManagementApps.Read.All
DeviceManagementConfiguration.Read.All
Group.Read.All
GroupMember.Read.All
Policy.Read.All
User.Read.All

Document Version

This document was updated on **November 07, 2022**.

Creating an App Registration on your Azure AD.

The Get Intune Assignments Application uses an **App Registered** to get MS Graph Token Authentication to be able to query your Intune and Azure Environment.

> **Note**
> You can use any App you already have if your App have the Read Permissions Required.

Log in to the Azure Portal for your subscription, and go to the App Registrations Blade.
Click **New registration** to create an Azure AD Application:
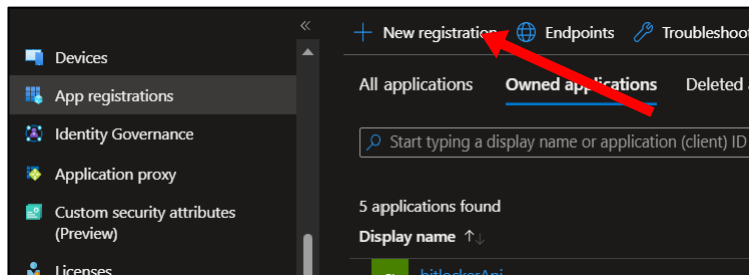
Give a **Name** for your application i.e., "GetIntuneAssignments"
Select the **Supported account types** i.e., "Accounts in this organizational directory only (YOURDOMAIN.COM only - Single tenant)"
At **Redirect URI** (optional) choose **Public client/native (mobile & desktop)** and enter the following address:
"https://login.microsoftonline.com/common/oauth2/nativeclient"
Click the **Register** button.

After creating/registering the App. Copy your **application (client) ID** to use in GIA configuration:
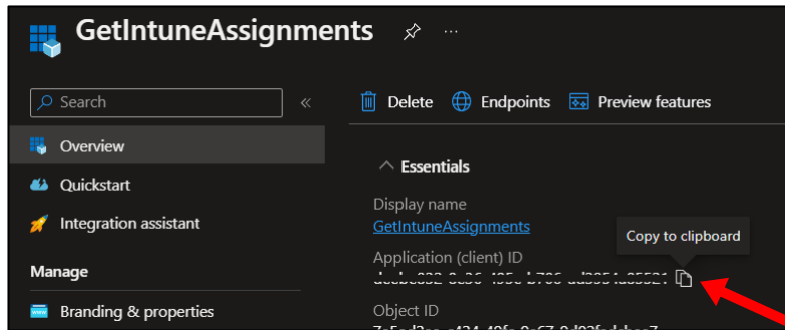
If you want to use Client Secret (==optional==) you can click Certificate & secrets to create a secret to your App:

Click on Client secrets and + New client secret:
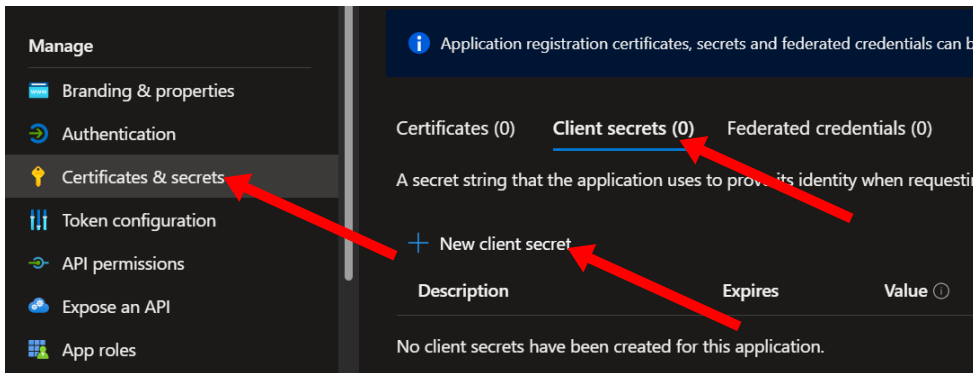
Determine how much time you want your secret to expire:
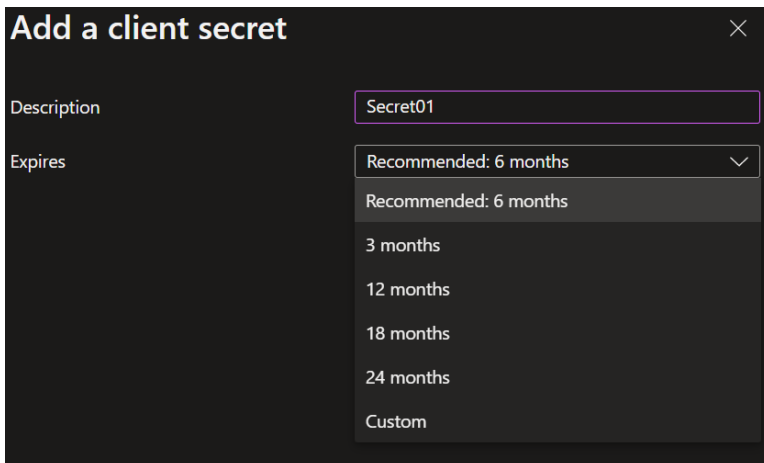
And click the Add button:

When finished **copy the Value** of the Secret:

Note

After creating Secrets, you **Need to Copy** the **Value**.
Azure will hide the value after you leave the page.
So, **Don't Forget to copy** the Value before leave.

Starting with Get Intune Assignments Application.
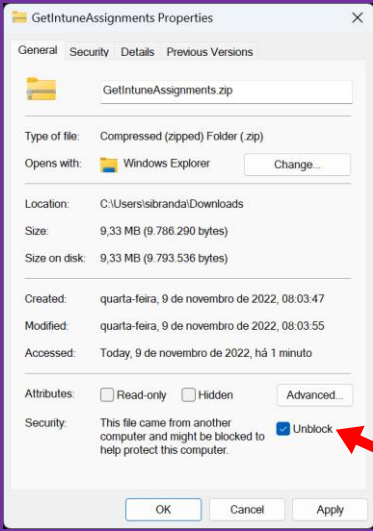
Go to the **Folder** where you **download** the **Get Intune Assignments** Application:

First, check if the Zip file you downloaded is not **Locked**.

Note

When the file is downloaded from internet
It can be blocked for safety.
Check if your Zip file is not **Blocked**:

Before Extract
Right click on the file
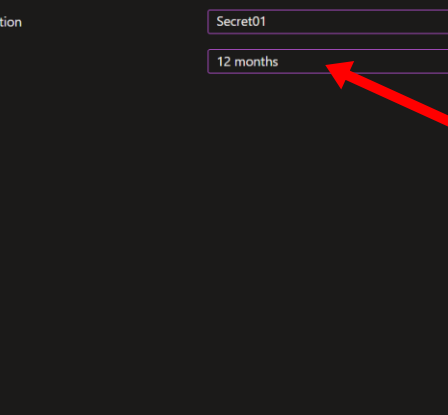Go to the **Properties**
Uncheck the "**Unblock**" checkbox if need
Click **Ok**.
Then, you can extract the content.

Extract Get Intune Assignments App from zip file
You can use any tool you want for this.

Here is how to use **Windows Compressed Folder** to extract:

Right click on the File and Click on **Extract All**…
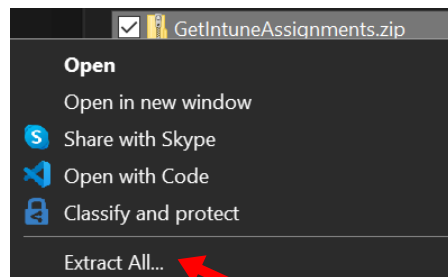
In the wizard window hit **the Extract** button and wait to complete.

You can Browse for another folder if you wish.

Will be created a new **folder** at directory you choose:
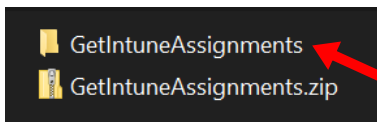
Open this folder and locate GetIntuneAssignments.exe

Double click to run the Application
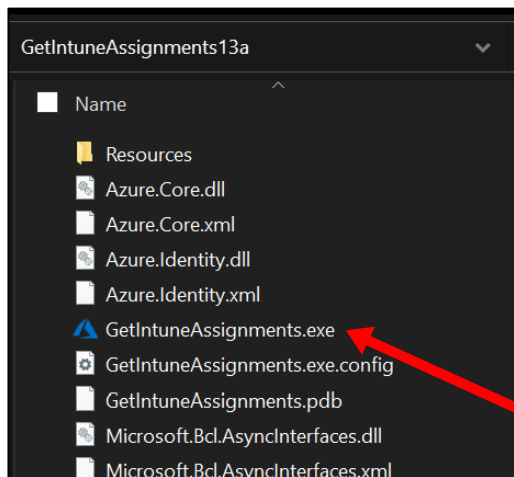
Configuring Get Intune Assignments Application.

In the Main Windows from **Get Intune Assignments** clique the Settings Button.

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Get Intune Assignments

Click **Settings** to Access the Configurations from Get Intune Assignments

Sign-In | ?

Settings

Find Azure AD Group:

Search | Clear

Show All Assignments | Check Selected Group | Close

☀ Get Intune Assignments | View Log
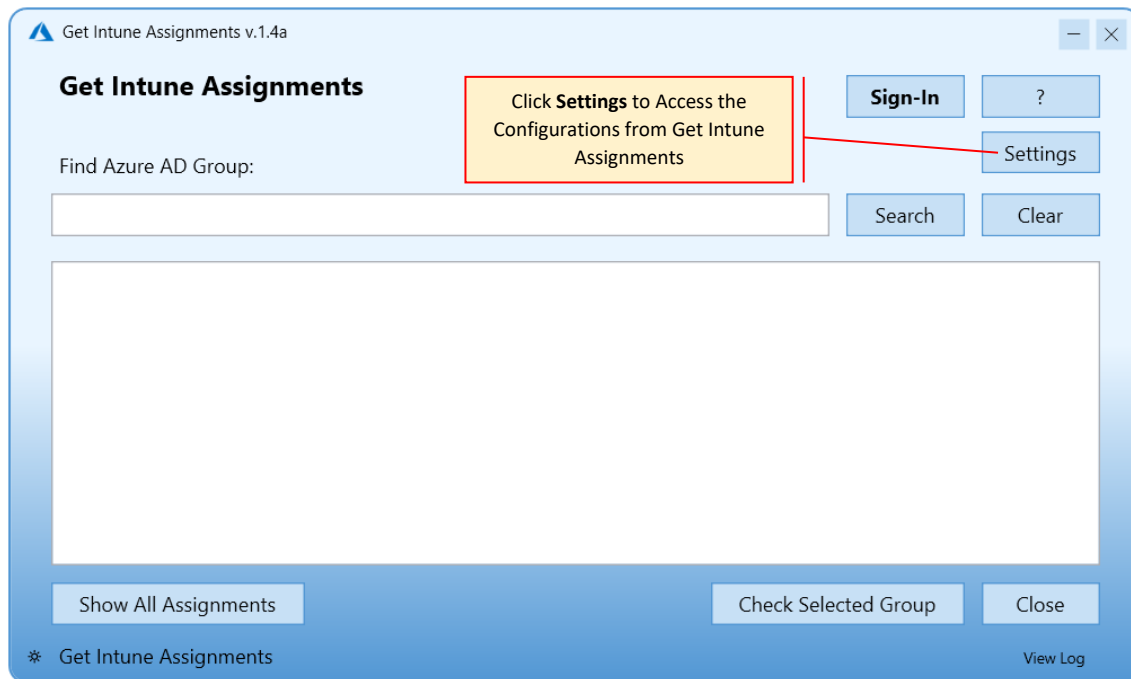
Enter your **Client** and **Tenant Id** and **Save** the Settings.

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Settings

Tenant Id: 000000**-****-****-****-************

Client Id: 000000**-****-****-****-************

☑ Use Client Secret: ABcdEF********************************

Enter the **Client Id** from your Azure Registered

Multi-tenant apps can use "**common**" single-tenant apps must use the **tenant ID** from the Azure portal

Enter the **Client Secret (Optional)** from your Azure Registered **App**

You need to restart the application for the changes to take effect.

Save | Cancel

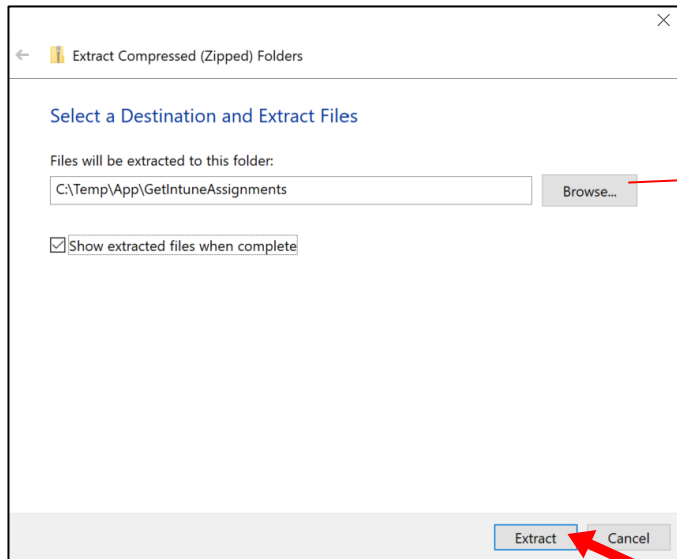Dev. Sidnei Bra

If will use **Client Secret**, check "Use Client Secret"

Note
Be sure to enter the correct application (Client) Id
from your app to Get Intune Assignments Work properly.
Get Intune Assignments will **Restart** for the changes take Effect.

Info: Change settings

ⓘ The Get Intune Assignments Application Will Restart to Apply the Changes

OK
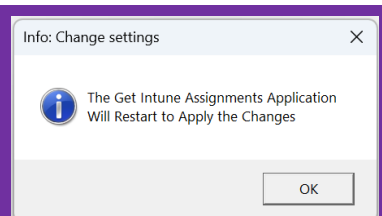
Running Get Intune Assignments Application.

After setting your **Client ID** you can now **Run** the **application**.

Just Execute **GetIntuneAssignments.exe**
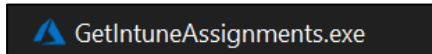
The Application will start:
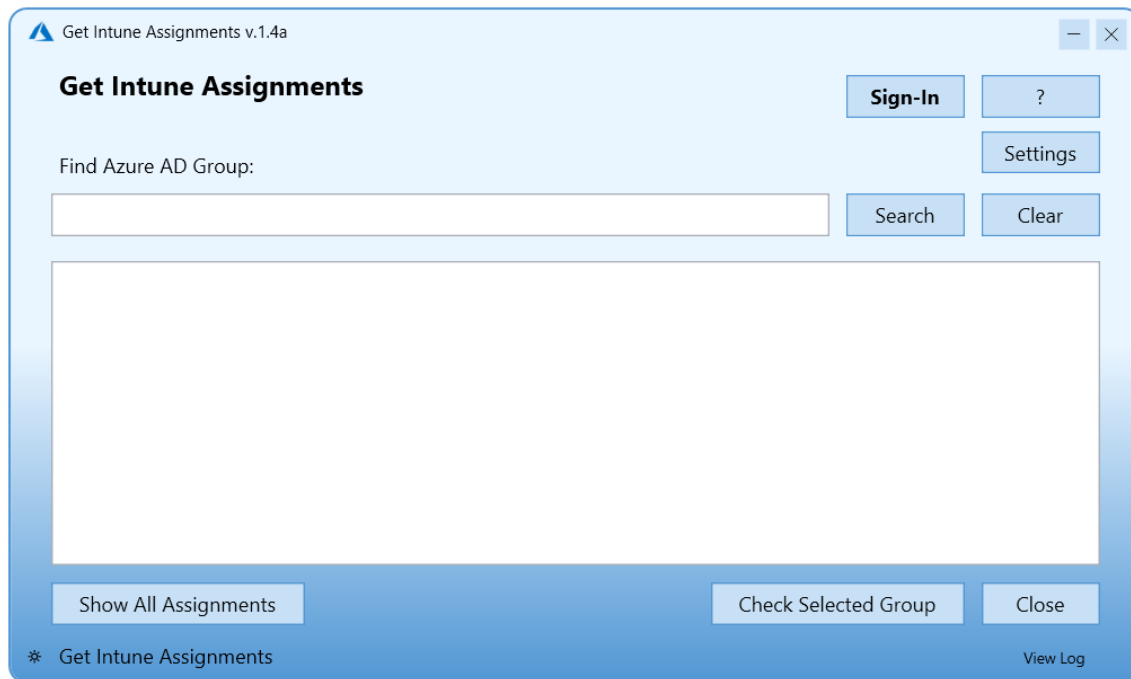
You can click on **Sign-In** Button and enter your **Azure AD User** who have **Rights** to **read Intune** objects.

First Time Sign-In, the Permission dialog box will ask you to **Consent the permissions**.
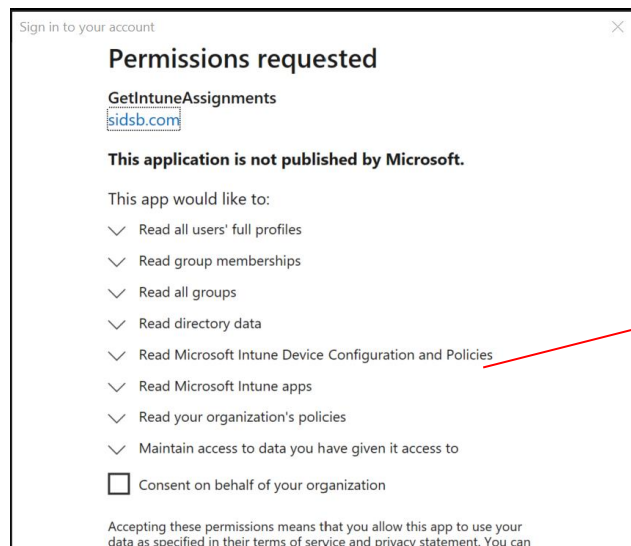
Note

ALL Permissions application needs is set to **READ**.
Get Intune Assignments **Can't** and **Won't** change anything in your environment.

Confirm everything is **READ** permissions.

Check "**Consent on behalf of your organization**" and click **Accept Button**

After Consent you can see the user is Signed In

Get Intune Assignments Application is ready to use.

Interface Elements on Get Intune Assignments Application.

Get Intune Assignments v.1.4a

Get Intune Assignments

Sign-In / Sign-Out
Use to Sign-In and Sign-Out also permit change current user.

?
Show This Help Document

Settings
Open Configurations

Clear
Clear Group List and Search Bar

Find Azure AD Group:

Search   Clear   Settings   Sign-Out   ?

Search Bar
Use text box to enter the name of the Azure Ad Group and hit **Search** Button. Use **Clear** Button clean all boxes and results.

Groups List
Show the list of groups found from the Search.

Close
Close the Application.

View Log
Open Log.

Show All Assignments   Check Selected Group   Close   View Log

Ready

Show All Assignments*
Retrieve information about All Assigned items from Intune regardless any group.

* This function can take Several minutes to process due the number of items and groups in the environment

Check Selected Group
Use to show information about the Assignments from the selected Azure Ad Group.

Status Bar
Show the Status during execution.

How to retrieve Information from specific Azure AD Group.

Type any string to search for a Azure AD Group and hit [Search] **Button**:

After searching, select an Azure AD Group you want to retrieve Information then Click [Check Selected Group]

Get Intune Assignments v.1.4a

Get Intune Assignments

> Name or string to search for Azure Ad Groups

Sign-Out | **?**

Settings

Find Azure AD Group:

autopilot | Search | Clear

Intune Autopilot Devices - Self-Deploying
Intune Autopilot Devices - User-Driven
Intune Autopilot Devices - User-Driven Pre Provisioned
Intune Autopilot Devices Dynamic
Intune AutoPilot Users

> Selected Group

> Clique to retrieve information from Selected Group

Show All Assignments | Check Selected Group | Close

✱ Ready | View Log

A new window comes Up showing the retrieved information:

Get Intune Assignments v.1.4a

Checking Intune Assignments

> Name from selected Azure AD Group

AAD Group: Intune Autopilot Devices Dynamic

Administrative Templates: 0

Applications: 2

> This window shows How many **assignments** was found target the selected group.
>
> Note if none was found you will see "**0**" objects

App Configuration Policies: 0

> **Two** Application are assigned to the Selected group

App Protections Policies: 0

Contional Access Policies: 0

Device Compliance Policies: 0

> **Five** Configuration Profiles are assigned to the Selected group

Device Configuration Profiles: 5

Device Settings Catalog: 0

Endpoint Security Policies: 0

PowerShell Scripts: 1

> **Close**
> Close the current Window

Export | Close

> **Export**
> Use to Export result to a file

To see the information about the Assignments, click on the Item you want:

Device Compliance Policies: 0

Device Configuration Profiles: 5

Device Setting Catalog: 0
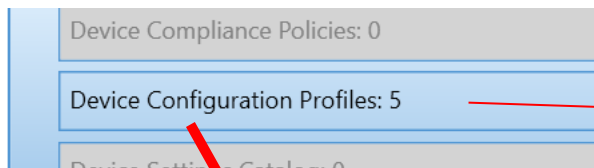
Click at **Device Configuration Profile** to see details

Get Intune Assignments v.1.4a

Showing Device Configuration Profiles Assignments

Name from selected Azure AD Group

AAD Group: Intune Autopilot Devices Dynamic

Display Name	Created Date	Last Modifi
Win 10 - Telemetry - Configuring Microsoft Endpoint Manager devices for Update Compliance	29/08/2022 15:01:49	29/08/2022
Win 10 Enable Autopilot Reset from LockScreen	17/08/2022 14:33:33	17/08/2022
Win 10 Enable Azure Active Directory self-service password reset at the Windows sign-in screen	17/08/2022 14:43:42	17/08/2022
Win10 Upgrade to Enterprise Edition	02/06/2021 17:46:56	02/06/2021
Windows Hello for Business	14/04/2021 11:35:21	14/04/2021

Information about the Device Configuration Profiles assignments in the Selected Group

Close

Close the current Window

Retrieving Information from All Intune Assignments.

Is possible to retrieve all Intune Assignments regardless of the Azure Ad Group Selected.
You don't need to search for a group.
Just click the button [Show All Assignments]

Return **All Items** assigned to any Azure AD Group
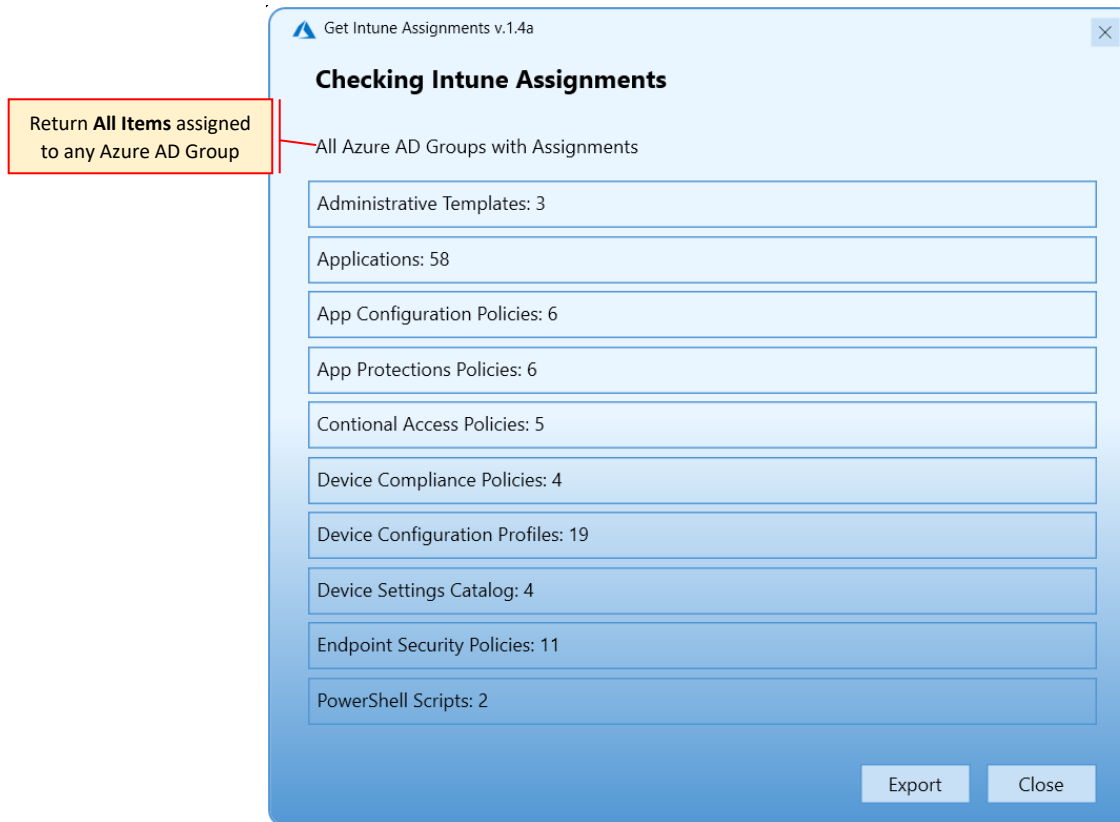
Note
Get Intune Assignments will bring Only items that are assigned in some Azure AD Group.

Note
Keep in mind this action can take **Several minutes** to complete depending on the number of Items and groups in the environment.

Version History

ver. 0.0a — June 15, 2022
      Just a bunch of command line scripts in PowerShell to get Configuration Profiles and
Apps.

ver. 0.0b — July 05, 2022
      New scripts to get Compliance Policies

ver. 0.1a — July 27, 2022
      The First version with GUI.
      Added Administrative Templates and Device Catalogs

ver. 0.1b — August 22, 2022
      The First version who worked.
      Possible to retrieve the follow assigned items from Intune:
            — Administrative Templates
            — Applications
            — Device Compliance Policies
            — Device Configuration Profiles
                  — Delivery Optimization
                  — Device Restrictions
                  — Custom
                  — Identity Protection
                  — Trusted Certificate
            — Device Settings Catalogs
            — PowerShell Scripts
      Function to search and retrieve from the selected group
      Function to retrieve all Assigned items (from the list above) from Intune regardless any
group

ver. 0.1c — August 24, 2022
      Removed the need for AzureAD Module
      Increase speed in Groups query
      BUG Fix
      — Fix two requests of authentications
      — GUI fixes and improvements
      — If a new group was created with Script running was not possible to find the new group
      — Fix limit of 100 groups on search
      — Fix description column position

ver. 0.2b — August 25, 2022
      Added Endpoint Security Policies
      BUG Fix
      — Minor errors fixed

ver. 1.0a — August 30, 2022
      Starting to rebuild in C# .NET framework 4.8
      Created the Main Form
      Function to search AAD Groups
      Function to Check Adm Templates

ver. 1.1a — September 02, 2022
      Added Functions:
      — Applications
      — Device Compliance Policies
      BUG Fix
      — Fixed interface commands to Search
      — Enhanced GUI objects
      — Minor errors fixed

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ver. 1.2a — September 09, 2022
      Added Functions:
      — Applications
      — Device Compliance Policies
      — Device Configuration Profiles
      — Device Settings Catalog
      — Endpoint Security Policies
      BUG Fix
      — Fixed Dialog Windows
      — Minor errors fixed

ver. 1.2b — September 10, 2022
      First beta version using C#.Net
      Added Functions:
      — PowerShell Scripts
      — Conditional Access
      — Created Sign—Out Function
      — Created writeLog Function

ver. 1.3a — September 14, 2022
      Created Help function and Doc.
      Added Functions:
      — Show All Intune Assignments Regardless Azure AD Group
      — Export to CSV File
      BUG Fix
      — Fixed error on export Applications with Description in Multiline
      — Minor errors fixed
      Released this version to Alpha Test

ver. 1.3b — September 20, 2022
      First released Beta Version
      Created Settings Dialog to Configure Client ID and Tenant
      Dark Theme
      Created customized Title Bar
      Added Functions:
      — App Configuration Policies
      — App Protection Policies
      BUG Fix
      — Fixed Alphabetical in results

ver. 1.4a — September 23, 2022
      Graphical Interface enhancements
      New title bar and window visuals
      Added Functions:
      — Auto Restart when changing Settings
      BUG Fix
      — Windows position in current monitor
      — Save config file just if was changed
      — Export to file now include all Items
      — Fixed Messages Box to show correct information
      — Minor bugs fixed

ver. 1.5 — November 07, 2022
      Introduced the Acronym GIA
      Added support to use App Secret*
      Added Functions:
      — Policy Sets
      BUG Fix
      — PowerShell Scripts missing from report.
      — Apps now show available or required.
      * Use an App with Read—Only permission for better security.
```